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(372/34) or (372/35) or (372/36) or (372/43) or (372/43) or (372/44) or (372/45) or (372/46) or (372/47) or (372/48) or (372/49) or (372/50)).CCLS.) and heat adj sink and (fluid liquid water) near12 (inject injecting injection) and supply near12 rubber heat adj sink and (fluid liquid water) near12 (inject injecting injection) and supply near12 (inject injecting injection) and supply near12 rubber and laser 5 pp-08227953\$-\$.did. 2 pp-08227953\$-\$.did. EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	•			1	2004/01/11 14	. 23
(372/43) or (372/44) or (372/45) or (372/46) or (372/46) or (372/47) or (372/48) or (372/49) or (372/50)).CCLS.) and heat adj sink and (fluid liquid water) near12 (inject injecting injection) and supply near12 rubber 5 heat adj sink and (fluid liquid water) near12 (inject injecting injection) and supply near12 (inject injecting injection) and supply near12 rubber and laser 6 2 jp-08227953\$-\$.did. 2 jp-08227953\$-\$.did. DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB US-PGPUB; EPO; JPO; DERWENT; IBM_TDB				1		
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near12 (inject injecting injection) and supply near12 rubber and laser EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	_	_			0004 155 155	
supply near12 rubber and laser EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	Э	5	neat adj sink and (fluid liquid water)		2004/01/11 14	:27
DERWENT; IBM_TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB			near12 (inject injecting injection) and			
6 2 jp-08227953\$-\$.did. IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB			supply near12 rubber and laser	1		
6 2 jp-08227953\$-\$.did. USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB				DERWENT;	}	
US-PGPUB; EPO; JPO; DERWENT; IBM_TDB		ļ		IBM_TDB	1	
US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	6	2	jp-08227953\$-\$.did.	USPAT;	2004/01/11 14	:28
DERWENT; IBM_TDB				US-PGPUB;		
DERWENT; IBM_TDB				EPO; JPO;		
IBM_TDB	ļ			1		ļ
-, I SICO/O4/J.EN. IHSPAT: INOMA/01/11 14	7	3	("5785754").PN.	USPAT;	2004/01/11 14	:29
US-PGPUB;			, · · · · · · · · · · · · · · · · · · ·			/
EPO; JPO;				í		
DERWENT;	Į.				1	1
IBM TDB		ļ		1		
	8		1 109102568\$~\$ did		2004/01/11 14	. , ,]
THE TOTAL	~		ODIOZOOOY Y.UIU.	1	2004/01/11 14	: 29
US-PGPUB;				1		
EPO; JPO;	ļ	ļ		1		{
DERWENT;				1		
IBM TDB	0	, [00100EC00 0 24-3		0004/25/	
	9	2	Jb-natnspag-2.did.		2004/01/11 14:	:32
US-PGPUB;						[
EPO; JPO;		<u> </u>		EPO; JPO;		}
DERWENT;				DERWENT;		
IBM TDB				IBM TDB		

10	2	jp-09102568\$-\$.did.	USPAT;	2004/01/11 14:33
1			US-PGPUB;	
	[EPO; JPO;	
			DERWENT;	
			IBM_TDB	0004/01/11 14 30
11	2	jp-08139479\$-\$.did.	USPAT;	2004/01/11 14:36
			US-PGPUB; EPO; JPO;	
			DERWENT;	
			IBM TDB	
12	367	(361/689).CCLS.	USPĀT;	2004/01/11 14:39
			US-PGPUB;	
	ŀ		EPO; JPO;	
			DERWENT;	
1.0		(1061/600) 7070) 11 1 1 1 1	IBM_TDB	0004/01/11 14 00
13	19	((361/689).CCLS.) and heat adj sink and rubber	USPAT; US-PGPUB;	2004/01/11 14:39
	(lubber	EPO; JPO;	
			DERWENT;	
i			IBM TDB	
14	0	((361/689).CCLS.) and heat adj sink and	USPAT;	2004/01/11 14:39
1		rubber near12 supply	US-PGPUB;	
			EPO; JPO;	
	(DERWENT;	
15	303	(361/702).CCLS.	IBM_TDB USPAT;	2004/01/11 14:39
13	303	(301/702).0013.	US-PGPUB;	2004/01/11 14:35
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
16	1	((361/702).CCLS.) and heat adj sink and	USPĀT;	2004/01/11 14:40
		rubber near12 supply	US-PGPUB;	
			EPO; JPO;	
	}		DERWENT;	
17	10110	((257/706) or (257/707) or (257/712) or	IBM_TDB USPAT;	2004/01/11 15:32
+ '	10110	(257/713) or (257/714) or (257/715) or	US-PGPUB	2004/01/11 13.32
		(361/689) or (361/702) or (372/34) or	00 10100	
	1	(372/35) or (372/36) or (372/43) or		
		(372/44) or (372/45) or (372/46) or		
		(372/47) or (372/48) or (372/49) or		
18	775	(372/50)).CCLS.	IIODAM -	2004/01/11 15-20
1 18	775	(((257/706) or (257/707) or (257/712) or (257/713) or (257/714) or (257/715) or	USPAT; US-PGPUB;	2004/01/11 15:30
	,	(361/689) or (361/702) or (372/34) or	EPO; JPO;	
	,	(372/35) or (372/36) or (372/43) or	DERWENT;	
		(372/44) or (372/45) or (372/46) or	IBM_TDB	
	1	(372/47) or (372/48) or (372/49) or	_	
		(372/50)).CCLS.) not (((257/712) or		
		(257/713) or (257/714) or (257/715) or (361/689) or (361/702) or (372/34) or		
		(361/689) or $(361/702)$ or $(372/34)$ or $(372/35)$ or $(372/36)$ or $(372/43)$ or		
		(372/44) or $(372/45)$ or $(372/46)$ or		
]	(372/47) or (372/48) or (372/49) or		
		(372/50)).CCLS.)		
19	0	((((257/706) or (257/707) or (257/712) or	USPAT;	2004/01/11 15:30
		(257/713) or (257/714) or (257/715) or	US-PGPUB;	
		(361/689) or (361/702) or (372/34) or (372/35) or (372/36) or (372/43) or	EPO; JPO;	
		(372/44) or $(372/45)$ or $(372/46)$ or	DERWENT; IBM TDB	
)	(372/44) or (372/48) or (372/49) or	TDE TOD	
		(372/50)).CCLS.) not (((257/712) or		
		(257/713) or (257/714) or (257/715) or		
		(361/689) or (361/702) or (372/34) or		
		(372/35) or (372/36) or (372/43) or		
1		(372/44) or (372/45) or (372/46) or (372/47) or (372/48) or (372/49) or		
		13/2/4/1 OF 14/2/481 OF 14/2//191 OF		
	}	(372/47) 01 (372/40) 01 (372/43) 01 (372/47) 01 (372/40)	}	ì

	11746	(1057/670) on (057/701) on (057/706)	HCDATT.	2004/01/11 15:32
20	11746	((257/678) or (257/701) or (257/706) or (257/707) or (257/712) or (257/713) or	USPAT; US-PGPUB	2004/01/11 13:32
		(257/714) or (257/715) or (361/689) or		
		(361/702) or (372/34) or (372/35) or		
		(372/36) or (372/43) or (372/44) or		
		(372/45) or (372/46) or (372/47) or (372/48) or (372/49) or (372/50)).CCLS.		
21	2411	(((257/678) or (257/701) or (257/706) or	USPAT;	2004/01/11 15:33
		(257/707) or (257/712) or (257/713) or	US-PGPUB;	
		(257/714) or (257/715) or (361/689) or	EPO; JPO;	
		(361/702) or (372/34) or (372/35) or	DERWENT;	
		(372/36) or (372/43) or (372/44) or (372/45) or (372/46) or (372/47) or	IBM_TDB	[
	1	(372/48) or (372/49) or (372/50)).CCLS.)		
		not (((257/712) or (257/713) or (257/714)	1	
	\	or (257/715) or (361/689) or (361/702) or		
		(372/34) or (372/35) or (372/36) or (372/43) or (372/44) or (372/45) or		
		(372/43) Of (372/44) Of (372/43) Of (372/46) or (372/47) or (372/48) or	1	
	1	(372/49) or (372/50)).CCLS.)		
22	0	((((257/678) or (257/701) or (257/706) or	USPAT;	2004/01/11 15:35
		(257/707) or (257/712) or (257/713) or	US-PGPUB;	
		(257/714) or (257/715) or (361/689) or (361/702) or (372/34) or (372/35) or	EPO; JPO; DERWENT;	
		(372/36) or (372/43) or (372/44) or	IBM TDB]
		(372/45) or (372/46) or (372/47) or	_	
	1	(372/48) or (372/49) or (372/50)).CCLS.)		
		not (((257/712) or (257/713) or (257/714) or (257/715) or (361/689) or (361/702) or		
		(372/34) or (372/35) or (372/36) or	(
]	(372/43) or (372/44) or (372/45) or		
1		(372/46) or (372/47) or (372/48) or		
		(372/49) or (372/50)).CCLS.)) and rubber near12 supply		
23	699	(257/707).CCLS.	USPAT;	2004/01/11 16:34
			US-PGPUB;	
			EPO; JPO; DERWENT;	
Į			IBM TDB	
24	1058	(257/706).CCLS.	USPAT;	2004/01/11 16:34
			US-PGPUB;	
	J		EPO; JPO; DERWENT;	
			IBM TDB	
25	794	((257/706).CCLS.) not ((257/707).CCLS.)	USPĀT;	2004/01/11 16:34
			US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM TDB	
26	33	(((257/706).CCLS.) not ((257/707).CCLS.))	USPĀT;	2004/01/11 16:36
		and heat adj sink and rubber	US-PGPUB;	
			EPO; JPO; DERWENT;	
	1		IBM TDB	
27	4	773510.ap.	USPAT;	2004/01/11 16:39
			US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM TDB	
28	1267	(257/714).CCLS.	USPĀT;	2004/01/11 16:39
	[US-PGPUB;	
			EPO; JPO; DERWENT;	
	1		IBM TDB	
29	92	((257/714).CCLS.) and rubber	USPĀT;	2004/01/11 16:44
			US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM TDB	
30	324	(361/689).CCLS.	USPAT;	2004/01/11 18:33
			US-PGPUB	

31	605	(361/699).CCLS.	USPAT;	2004/01/11 16:51
	91	((361/699).CCLS.) and rubber	US-PGPUB USPAT;	2004/01/11 17:01
32	91	((361/699).CCLS.) and rubber	US-PGPUB;	2004/01/11 17.01
			EPO; JPO;	
			DERWENT; IBM TDB	
33	1791	((257/701) or (257/678)).CCLS.	USPAT;	2004/01/11 17:01
1			US-PGPUB	0004/01/11 17 01
34	114	(((257/701) or (257/678)).CCLS.) and rubber	USPAT; US-PGPUB;	2004/01/11 17:01
			EPO; JPO;	
			DERWENT;	!
35	0	(((257/701) or (257/678)).CCLS.) and	IBM TDB USPAT;	2004/01/11 17:01
		rubber near12 supply	US-PGPUB;	
	ĺ		EPO; JPO; DERWENT;	
			IBM_TDB	
36	295	((((257/701) or (257/678)).CCLS.) and heat	USPAT;	2004/01/11 17:02
		adj sink	US-PGPUB; EPO; JPO;	
			DERWENT;	
37	15	(((257/701) or (257/678)).CCLS.) and heat	IBM_TDB USPAT;	2004/01/11 17:03
37		adj sink near12 (water liquid fluid)	US-PGPUB;	2004/01/11 17:03
			EPO; JPO;	
			DERWENT; IBM TDB	1
38	1836	(257/678).CCLS.	USPĀT;	2004/01/11 17:03
			US-PGPUB; EPO; JPO;	
			DERWENT;	
39	1077	(257/701).CCLS.	IBM_TDB USPAT;	2004/01/11 17:03
39	1077	(2577701).CCLS.	US-PGPUB;	2004/01/11 17:03
ŧ			EPO; JPO;	
:			DERWENT; IBM TDB	
40	1058	(257/706).CCLS.	USPĀT;	2004/01/11 17:03
			US-PGPUB; EPO; JPO;	
			DERWENT;	
4.7	600	(253/303) 0010	IBM_TDB	0004/01/11 17:02
41	699	(257/707).CCLS.	USPAT; US-PGPUB;	2004/01/11 17:03
			EPO; JPO;	
			DERWENT; IBM TDB	
42	5008	((257/678).CCLS.) ((257/701).CCLS.)	USPĀT;	2004/01/11 17:10
		((257/706).CCLS.) ((257/707).CCLS.) "L42"	US-PGPUB; EPO; JPO;	
			DERWENT;	
4.3	4240	//257/670\ cctc \ //257/701\ cctc \	IBM_TDB	2004/01/11 17 10
43	4240	((257/678).CCLS.) ((257/701).CCLS.) ((257/706).CCLS.) ((257/707).CCLS.)	USPAT; US-PGPUB;	2004/01/11 17:10
			EPO; JPO;	
			DERWENT; IBM TDB	
4 4	0	(((257/678).CCLS.) ((257/701).CCLS.)	USPAT;	2004/01/11 17:26
		((257/706).CCLS.) ((257/707).CCLS.)) and rubber near12 supply	US-PGPUB; EPO; JPO;	
		rupper Hearts ambbia	DERWENT;	
1.6	-	(/257/717) (010.) and a black and 10	IBM_TDB	0004/01/11 17 05
46	1	((257/717).CCLS.) and rubber near12 spacer	USPAT; US-PGPUB;	2004/01/11 17:27
			EPO; JPO;	
			DERWENT; IBM TDB	
L	L	L	TDM IDD	L

	,			
45	925	(257/717).CCLS.	USPAT;	2004/01/11 17:45
			US-PGPUB; EPO; JPO;]
			DERWENT;	1
			IBM TDB	
47	2	jp-09102568\$-\$.did.	USPAT;	2004/01/11 17:47
4 ′	2) JP 091023000 7.414.	US-PGPUB;	2004/01/11 17:47
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
48	2	de-3436545\$-\$.did.	USPAT;	2004/01/11 17:48
	_		US-PGPUB;	
			EPO; JPO;	
			DERWENT;	1
			IBM TDB	1
49	0	jp-081811392\$-\$.did.	USPAT;	2004/01/11 17:49
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
50	2	jp-08181392\$-\$.did.	USPAT;	2004/01/11 17:50
			US-PGPUB;	
			EPO; JPO;	
1	1		DERWENT;	
F 1		(UE704020U) DN	IBM TDB	2004/01/11 17 51
51	2	("5794839").PN.	USPAT;	2004/01/11 17:51
			US-PGPUB;	
			EPO; JPO; DERWENT;	1
			IBM TDB	
52	2	("4791634").PN.	USPAT;	2004/01/11 17:54
1 32		(4751034).IN.	US-PGPUB;	2004/01/11 17.54
			EPO; JPO;	
			DERWENT;	
İ			IBM TDB	
53	1	gb-1597829\$-\$.did.	USPAT;	2004/01/11 17:54
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
54	4146	((327/34) or (327/35) or (372/36) or	USPAT;	2004/01/11 18:34
•		(257/678) or (257/712) or (257/714) or	US-PGPUB	1
		(361/689) or (361/702)).CCLS.		
55	5	(((327/34) or (327/35) or (372/36) or	USPAT;	2004/01/11 18:36
		(257/678) or (257/712) or (257/714) or	US-PGPUB;	
1		(361/689) or (361/702)).CCLS.) and laser	EPO; JPO;	
		and rubber and heat adj sink and supply	DERWENT;	
56	0	near12 (liquid fluid coolant water) (((327/34) or (327/35) or (372/36) or	IBM_TDB	2004/01/11 10:20
1 20		((327/34) or (327/35) or (372/36) or (257/678) or (257/712) or (257/714) or	USPAT; US-PGPUB;	2004/01/11 18:36
		(361/689) or (361/702)).CCLS.) and laser	EPO; JPO;	
1		and insulat\$3 near6 rubber and heat adj	DERWENT;	
		sink and supply near12 (liquid fluid	IBM TDB	1
1		coolant water)		
_	2	jp-09102568\$-\$.did.	USPAT;	2003/12/08 14:30
1			US-PGPUB;	
1	}		EPO; JPO;	
1			DERWENT;	
			IBM_TDB	
-	2	jp-08227953\$-\$.did.	USPĀT;	2002/08/06 16:22
			US-PGPUB;	
			EPO; JPO;	
1			DERWENT;	
	_		IBM_TDB	0000105155
-	2	jp-08139479\$-\$.did.	USPAT;	2002/08/06 16:24
ĺ			US-PGPUB;	
l			EPO; JPO;	
			DERWENT;	
L	L		IBM_TDB_	L

	3	("5785754").PN.	USPAT;	2002/08/06 16:24
-	3	("5785754").PN.	US-PGPUB;	2002/00/00 10.24
			EPO; JPO;	
			DERWENT; IBM TDB	
_	2008	((372/34) or (372/35) or (372/36)).CCLS.	USPAT;	2002/08/23 15:24
		(1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	US-PGPUB;	
			EPO; JPO;	
			DERWENT; IBM TDB	
_	996	heat adj sink.ti. and 257/\$6.ccls.	USPAT;	2002/08/07 07:45
			US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM TDB	
-	33	heat adj sink.ti. and liquid.ti,ab. and	USPAT;	2002/08/21 15:28
		257/\$6.ccls.	US-PGPUB; EPO; JPO;	
			DERWENT;	
			IBM_TDB	
_	20		USPAT;	2002/08/07 08:27
		(372/36)).CCLS.) or (((257/712) or (257/713) or (257/714) or	US-PGPUB; EPO; JPO;	
		(257/715)).CCLS.)) and laser.ti,ab. and	DERWENT;	
		heat adj sink.ti,ab. and (liquid or	IBM_TDB	
_	8	water).ti,ab. (US-6307871-\$ or US-5801442-\$ or	USPAT;	2002/08/07 08:49
		US-4791634-\$ or US-4712609-\$ or	US-PGPUB;	
		US-3764935-\$).did. or	JP0	
	1	(US-20010004370-\$).did. or (JP-02257683-\$ or JP-63073584-\$).did.		
_	388	l · ·	USPAT;	2002/08/08 15:44
			US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM TDB	
-	6068	(((372/34) or (372/35) or (372/36)).CCLS.)	USPAT;	2002/08/09 12:50
	į	or (((257/712) or (257/713) or (257/714) or (257/715)).CCLS.)	US-PGPUB; EPO; JPO;	
		(40:, 120, , 100201,	DERWENT;	
	207	////270/24\ /270/25\	IBM_TDB	0000/00/00 10 50
] -	307	((((372/34) or (372/35) or (372/36)).CCLS.) or (((257/712) or	USPAT; US-PGPUB;	2002/08/09 12:52
		(257/713) or (257/714) or	EPO; JPO;	
1	ì	(257/715)).CCLS.)) and heat adj sink and	DERWENT;	
		(liquid or water) near6 (cooler or coolant)	IBM_TDB	
-	110	(((((372/34) or (372/35) or	USPAT;	2002/08/09 12:53
		(372/36)).CCLS.) or (((257/712) or (257/713) or (257/714) or	US-PGPUB;	
		(257/713) or (257/714) or (257/715)).CCLS.)) and heat adj sink and	EPO; JPO; DERWENT;	
		(liquid or water) near6 (cooler or	IBM_TDB	
_	63	coolant)) and (groove or slit or trench) ((((((372/34) or (372/35) or	HSDAT.	2002/08/09 12:55
	05	(372/36)).CCLS.) or (((257/712) or	USPAT; US-PGPUB;	2002/08/09 12:55
		(257/713) or (257/714) or	EPO; JPO;	
		(257/715)).CCLS.)) and heat adj sink and	DERWENT;	
		<pre>(liquid or water) near6 (cooler or coolant)) and (groove or slit or trench))</pre>	IBM_TDB	
		and (stack or (upper near12 lower))		
-	40	(((((((372/34) or (372/35) or (372/36)) crs) or (4/257/712) or	USPAT	2002/08/09 12:56
		(372/36)).CCLS.) or (((257/712) or (257/713) or (257/714) or		
		(257/715)).CCLS.)) and heat adj sink and		
		(liquid or water) near6 (cooler or coolant)) and (groove or slit or trench))		
	i	and (stack or (upper near12 lower))) and		
		semiconductor		

1	15:29
(257/713) or (257/714) or (257/715)).CCLS.)) and heat adj sink and (liquid or water) near6 (cooler or coolant)) and (groove or slit or trench)) and (stack or (upper near12 lower))) and semiconductor heat adj sink.ti. and liquid.ti,ab. and 372/\$6.ccls. USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US	. 15:29
(257/715)).CCLS.)) and heat adj sink and (liquid or water) near6 (cooler or coolant)) and (groove or slit or trench)) and (stack or (upper near12 lower))) and semiconductor heat adj sink.ti. and liquid.ti,ab. and 372/\$6.ccls. 1 heat adj sink.ti. and 372/\$6.ccls. 1 heat adj sink.ti. and 372/\$6.ccls. 1 10026 heat adj sink and upper near12 lower 1 heat adj sink.ti. and upper near12 lower 1 heat adj sink.ti. and upper near12 lower 1 heat adj sink.ti. and upper near12 lower 1 heat adj sink.ti. and upper near12 lower 1 heat adj sink.ti. and upper near12 lower 1 heat adj sink.ti. and upper near12 lower 1 heat adj sink.ti. and upper near12 lower 1 heat adj sink.ti. and upper near12 lower 1 heat adj sink.ti. and upper near12 lower 1 heat adj sink.ti. and upper near12 lower 1 heat adj sink.ti. and upper near12 lower 1 heat adj sink.ti. and upper near12 lower 2 002/08/23	. 15:29
(liquid or water) near6 (cooler or coolant)) and (groove or slit or trench)) and (stack or (upper near12 lower))) and semiconductor 1 heat adj sink.ti. and liquid.ti,ab. and 372/\$6.ccls. 33 heat adj sink.ti. and 372/\$6.ccls. 10026 heat adj sink and upper near12 lower 10026 heat adj sink.ti. and upper near12 lower 10026 heat adj sink.ti. and upper near12 lower 10026 heat adj sink.ti. and upper near12 lower 10026 heat adj sink.ti. and upper near12 lower 10026 heat adj sink.ti. and upper near12 lower 10026 heat adj sink.ti. and upper near12 lower 1002708/23 2002/08/23 2002/08/23	. 15:29
coolant)) and (groove or slit or trench)) and (stack or (upper near12 lower))) and semiconductor heat adj sink.ti. and liquid.ti,ab. and 372/\$6.ccls. 33 heat adj sink.ti. and 372/\$6.ccls. 10026 heat adj sink and upper near12 lower 10026 heat adj sink.ti. and upper near12 lower 10026 heat adj sink.ti. and upper near12 lower 10026 heat adj sink.ti. and upper near12 lower 10026 heat adj sink.ti. and upper near12 lower 10026 heat adj sink.ti. and upper near12 lower 10026 heat adj sink.ti. and upper near12 lower 1002708/23 2002/08/21 2002/08/21 2002/08/23 2002/08/23 2002/08/23 2002/08/23 2002/08/23 2002/08/23	. 15:29
and (stack or (upper near12 lower))) and semiconductor heat adj sink.ti. and liquid.ti,ab. and 372/\$6.ccls. 1	. 15:29
semiconductor heat adj sink.ti. and liquid.ti,ab. and 372/\$6.ccls. 1	. 15:29
heat adj sink.ti. and liquid.ti,ab. and USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IEM_TDB USPAT; USP	. 15:29
372/\$6.ccls. 372/\$6.ccls. US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	. 15:29
EPO; JPO; DERWENT; IBM_TDB USPĀT; US-PGPUB; EPO;	
DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; USPAT; USPAT; USPAT;	
BM_TDB	
- 33 heat adj sink.ti. and 372/\$6.ccls. USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; U	
US-PGPUB; EPO; JPO; DERWENT; IBM TDB US-PGPUB; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB US-PGPUB; EPO; JPO; DERWENT; IBM TDB US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; USPAT; USPAT; USPAT;	3 11:24
DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; USPAT; USPAT; USPAT;	3 11:24
TBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; USPAT; 2002/08/23	3 11:24
- 10026 heat adj sink and upper near12 lower USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; USPAT; 2002/08/23	3 11:24
US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; USPAT; USPAT; USPAT; USPAT;	3 11:24
EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB DERWENT; IBM_TDB USPAT; USP	
DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; USPAT; USPAT;	
The standard of the standard o	
- 710 heat adj sink.ti. and upper near12 lower USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB - 70 heat adj sink.ti. and upper near12 lower USPAT; 2002/08/23	
US-PGPUB; EPO; JPO; DERWENT; IBM_TDB - 70 heat adj sink.ti. and upper near12 lower USPAT; 2002/08/23	
EPO; JPO; DERWENT; IBM_TDB 70 heat adj sink.ti. and upper near12 lower USPAT; 2002/08/23	11:25
DERWENT; IBM_TDB 70 heat adj sink.ti. and upper near12 lower USPAT; 2002/08/23	
- 70 heat adj sink.ti. and upper near12 lower USPAT; 2002/08/23	
- 70 heat adj sink.ti. and upper near12 lower USPAT; 2002/08/23	
	11.26
near12 (face or main adj surface) US-PGPUB;	, 11.20
EPO; JPO;	
DERWENT;	
IBM TDB	
- 30 heat adj sink.ti. and upper near6 lower USPAT; 2002/08/23	11:31
adj (face or main adj surface) US-PGPUB;	
EPO; JPO;	
DERWENT;	
IBM_TDB	
- 2 heat adj sink.ti. and (groove or trench) USPAT; 2002/08/23	11:33
near12 upper near6 lower adj (face or main US-PGPUB;	
adj surface) EPO; JPO;	
DERWENT; IBM TDB	
- 2 heat adj sink.ti,ab. and (groove or USPAT; 2002/08/23	11.34
trench) near12 upper near6 lower adj (face US-PGPUB;	, 11.04
or main adj surface) EPO; JPO;	
DERWENT;	
IBM TDB	
- 2 heat adj sink.ti,ab. and (groove or USPAT; 2002/08/23	11:35
trench) near18 upper near6 lower adj (face US-PGPUB;	
or main adj surface) EPO; JPO;	
DERWENT;	
IBM TDB	
4 heat adj sink.ti,ab. and (groove or USPAT; 2002/08/23	11:52
trench) near18 upper near6 lower near6 US-PGPUB;	
(face or main adj surface) EPO; JPO;	
DERWENT; IBM TDB	
- 6 heat adj sink.ti,ab. and (groove or USPAT; 2002/08/23	11.51
trench) near18 ((upper near18 lower) US-PGPUB;	, TT:04
near18 (face or main adj surface)) EPO; JPO;	
DERWENT;	
IBM TDB	
- 4163 ((257/712) or (257/713) or (257/714) or USPAT; 2002/08/23	14:08
(257/715)).CCLS. US-PGPUB;	
EPO; JPO;	
DERWENT;	
IBM TDB	

				0000 (00 (00 15 05)
-	1156	(372/34).CCLS.	USPAT;	2002/08/23 15:25
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	1
			IBM_TDB	
-	423	(372/35).CCLS.	USPAT;	2002/08/23 15:25
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
	,		IBM_TDB	
-	661	(372/36).CCLS.	USPAT;	2002/08/23 15:26
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
_	1884	(257/712).CCLS.	USPAT;	2002/08/23 15:26
			US-PGPUB;	
	'		EPO; JPO;	
			DERWENT;	
			IBM TDB	1
_	958	(257/713).CCLS.	USPAT;	2002/08/23 15:26
1			US-PGPUB;	
]]		EPO; JPO;	
			DERWENT;	
1			IBM TDB]
_	1193	(257/714).CCLS.	USPĀT;	2002/08/23 15:26
İ	1110	(207,711,70022)	US-PGPUB;	
			EPO; JPO;	l
			DERWENT;	[
			IBM TDB	
_	493	(257/715).CCLS.	USPĀT;	2002/08/23 15:26
	133	(2017,110), (3011).	US-PGPUB;	2002,00,20 10.20
			EPO; JPO;	
			DERWENT;	[
'	<u>'</u>		IBM TDB	
_	6144	((372/34).CCLS.) or ((372/35).CCLS.) or	USPAT;	2002/08/23 15:27
	0144	((372/36).CCLS.) or ((257/712).CCLS.) or	US-PGPUB;	2002/00/25 15.27
		((257/713).CCLS.) or ((257/714).CCLS.) or	EPO; JPO;	:
		((257/715).CCLS.)	DERWENT;	ļ
		((237/713):00H3:)	IBM TDB	
_	4269	(((372/34).CCLS.) or ((372/35).CCLS.) or	USPAT;	2002/08/23 15:28
_	4209	((372/34).CCLS.) or ((257/712).CCLS.) or	US-PGPUB;	2002/06/23 15:26
		((372/36).CCLS.) or ((257/712).CCLS.) or	EPO; JPO;	
		((257/715).CCLS.) of ((257/714).CCLS.) of ((257/715).CCLS.)) and (heat adj removal	DERWENT;	1
		or heat adj sink or coolant or cooling)	IBM TDB	
1_	3590	(((372/34).CCLS.) or ((372/35).CCLS.) or	USPAT;	2002/08/23 15:29
]	3330	((372/34).CCLS.) or ((257/712).CCLS.) or	US-PGPUB;	2002/00/23 13:29
		((257/713).CCLS.) or ((257/714).CCLS.) or	EPO; JPO;	
		((257/715).CCLS.)) and (heat adj removal	DERWENT;]
	ĺ	or heat adj sink or coolant or		
		cooling).ti,ab,clm.	IBM_TDB	1
1_	1280	(((372/34).CCLS.) or ((372/35).CCLS.) or	USPAT;	2002/08/23 15:29
1	1200	((372/34).CCLS.) or ((372/35).CCLS.) or	· ·	2002/00/23 13:29
		((372/36).CCLS.) or ((257/712).CCLS.) or	US-PGPUB;	
		((257/713).CCLS.) or ((257/714).CCLS.) or ((257/715).CCLS.)) and (heat adj removal	EPO; JPO;]
			DERWENT;	
	[i	or heat adj sink or coolant or cooling).ti,ab,clm. and liquid	IBM_TDB	
1_	263		Hennm.	2002/00/22 15-20
-	203	(((372/34).CCLS.) or ((372/35).CCLS.) or	USPAT;	2002/08/23 15:30
]		((372/36).CCLS.) or ((257/712).CCLS.) or ((257/713).CCLS.) or	US-PGPUB;	
			EPO; JPO;	1
	[((257/715).CCLS.)) and (heat adj removal	DERWENT;	
1		or heat adj sink or coolant or	IBM_TDB	ļ
		cooling).ti,ab,clm. and liquid and (groove		ļ
L		or trench)		L

-	27	(, ,	USPAT;	2002/08/23 18:39
		US-3654528-\$ or US-4807022-\$ or	US-PGPUB;	
		US-5729052-\$ or US-5783862-\$ or US-5864176-\$ or US-5918665-\$ or	JPO; DERWENT	
		US-6157077-\$ or US-6274912-\$ or	DEKWENT	
		US-6347050-\$ or US-5801442-\$ or		
	Į.	US-4712609-\$ or US-3764935-\$ or		1
		US-5241450-\$ or US-4791634-\$ or		
		US-5812570-\$ or US-6307871-\$).did. or		
		(US-20010004370-\$).did. or (JP-02257683-\$		
		or JP-63073584-\$ or JP-09102568-\$ or		
		JP-08227953-\$ or JP-08139479-\$).did. or		
		(JP-09102568-\$ or EP-715352-\$ or		
		JP-08139479-\$).did.		
_	5	((US-6198758-\$ or US-6310900-\$ or	USPAT;	2002/08/23 18:39
		US-3654528-\$ or US-4807022-\$ or	US-PGPUB;	
	}	US-5729052-\$ or US-5783862-\$ or US-5864176-\$ or US-5918665-\$ or	EPO; JPO; DERWENT;	
		US-6157077-\$ or US-6274912-\$ or	IBM TDB	
		US-6347050-\$ or US-5801442-\$ or	1511_155	
		US-4712609-\$ or US-3764935-\$ or		
		US-5241450-\$ or US-4791634-\$ or		
1		US-5812570-\$ or US-6307871-\$).did. or		
		(US-20010004370-\$).did. or (JP-02257683-\$		
1	}	or JP-63073584-\$ or JP-09102568-\$ or		
1		JP-08227953-\$ or JP-08139479-\$).did. or		
1		(JP-09102568-\$ or EP-715352-\$ or		
	2	JP-08139479-\$).did.) and laser adj diode	HODAE	0000/00/01 1: 15
	2	("4791634").PN.	USPAT;	2002/08/24 14:12
			US-PGPUB; EPO; JPO;	
			DERWENT;	
			IBM TDB	
_	0	jp-8227953\$-\$.did.	USPĀT;	2002/08/24 14:13
		51	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	2	jp-08227953\$-\$.did.	USPAT;	2002/08/24 14:13
			US-PGPUB;	
			EPO; JPO;	
	1		DERWENT; IBM TDB	
_	21	 zengerle.in. and heat	USPAT;	2002/08/24 15:25
			US-PGPUB;	2002/00/24 13:23
			EPO; JPO;	
	ļ		DERWENT;	
			IBM_TDB]
-	4	1 3	USPĀT;	2002/08/24 15:26
		adj component	US-PGPUB;	
			EPO; JPO;	
	1		DERWENT;	
_	4	773510.ap.	IBM_TDB	2002/05/10 11 05
		///outo.ap.	USPAT; US-PGPUB;	2003/05/10 14:06
			EPO; JPO;	
	}		DERWENT;	
			IBM TDB	
-	127	(((372/43) or (372/44) or (372/45) or	USPAT;	2003/05/10 15:18
		(372/46) or (372/47) or (372/48) or	US-PGPUB;	
		(372/49) or (372/50) or (372/34) or	EPO; JPO;	
		(372/35) or (372/36) or (257/712) or	DERWENT;	
	l i	(257/713) or (257/714) or	IBM_TDB	
		(257/715)).CCLS.) and heat adj sink.ti,ab,clm. and semiconductor adj		
		laser and (coolant or water or fluid or	1	
1		flow)		
	<u> </u>		l	<u> </u>

	103	(((372/43) or (372/44) or (372/45) or (372/46) or (372/47) or (372/48) or (372/49) or (372/50) or (372/34) or (372/35) or (372/36) or (257/712) or	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/10 15:24
		(257/713) or (257/714) or (257/715)).CCLS.) and heat adj sink.ti,ab,clm. and semiconductor adj laser and (coolant or water or fluid or flow)		
	103	(((372/43) or (372/44) or (372/45) or (372/46) or (372/47) or (372/48) or (372/49) or (372/50) or (372/34) or (372/35) or (372/36) or (257/712) or (257/713) or (257/714) or (257/715)).CCLS.) and heat adj sink.ti,ab,clm. and semiconductor adj laser and (coolant or water or fluid or	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/10 15:24
_	4	flow) and heat adj sink.ti,ab,clm. (((372/43) or (372/44) or (372/45) or (372/46) or (372/47) or (372/48) or (372/49) or (372/50) or (372/34) or (372/35) or (372/36) or (257/712) or (257/713) or (257/714) or (257/715)).CCLS.) and heat adj	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/10 15:32
		sink.ti,ab,clm. and semiconductor adj laser and (coolant or water or fluid or flow) and (groove or slit) near12 heat adj sink		
	5	(((372/43) or (372/44) or (372/45) or (372/46) or (372/47) or (372/48) or (372/49) or (372/50) or (372/34) or (372/35) or (372/36) or (257/712) or (257/713) or (257/714) or (257/715)).CCLS.) and heat adj sink.ti,ab,clm. and semiconductor adj laser and (coolant or water or fluid or flow) and (groove or slit) near12 heat adj sink	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/10 15:48
_	4	773510.ap.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/05/10 15:49
_	1627	(257/678).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/05/12 13:15
-	36	((257/678).CCLS.) and heat adj sink.ti,ab,clm. and (liquid or water or flow or coolant)	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/05/12 13:39
	109	hayashi.in. and heat adj sink.ti,ab,clm.	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/05/12 13:40
_	18	hayashi.in. and laser.ti,ab,clm. and heat adj sink.ti,ab,clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/05/12 13:42
-	2	jp-09102568\$-\$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/05/12 13:54

-	1442	heat adj sink.ti,ab,clm. and semiconductor adj laser.ti,ab,clm.	USPAT; US-PGPUB;	2003/05/12 13:56
Į			EPO; JPO; DERWENT; IBM TDB	
-	3	lsi and (heat adj sink.ti,ab,clm. and	USPĀT;	2003/05/12 13:59
		semiconductor adj laser.ti,ab,clm.)	US-PGPUB;	
			EPO; JPO; DERWENT;	ļ
			IBM_TDB	
] -	2	(heat adj sink.ti,ab,clm. and	USPAT; US-PGPUB;	2003/05/12 14:00
i		semiconductor adj laser.ti,ab,clm.) and liquid adj coolant.ti,ab,clm.	EPO; JPO;	
			DERWENT;	
] _	4	heat adj sink.ti,ab,clm. and	IBM_TDB USPAT;	2003/05/12 14:09
	4	semiconductor adj laser.ti,ab,clm.) and	US-PGPUB;	2000,00,12 11105
		liquid adj coolant	EPO; JPO;	
			DERWENT; IBM TDB	
_	491	semiconductor adj laser near6 heat adj	USPĀT;	2003/05/12 14:09
		sink.ti,ab,clm.	US-PGPUB;	
			EPO; JPO; DERWENT;	[
			IBM_TDB	2000/05/10 11 11
-	249	semiconductor adj laser near3 heat adj sink.ti,ab,clm.	USPAT; US-PGPUB;	2003/05/12 14:11
		Sink. Cif ab / Cim.	EPO; JPO;	
1			DERWENT;	
_	1	(semiconductor adj laser near3 heat adj	IBM_TDB USPAT;	2003/05/12 14:12
		sink.ti,ab,clm.) and liquid adj coolant	US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM_TDB	
-	35	, , , , , , , , , , , , , , , , , , , ,	USPAT;	2003/05/12 15:03
		sink.ti,ab,clm.) and copper	US-PGPUB; EPO; JPO;	
			DERWENT;	
_	2	jp-08227953\$-\$.did.	IBM_TDB USPAT;	2003/05/12 14:14
			US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM TDB	
-	2	("3351698").PN.	USPAT;	2003/05/12 15:22
			US-PGPUB; EPO; JPO;	
			DERWENT;	
_	0	("heat adj sink near20 laser near20	IBM_TDB USPAT;	2003/05/12 15:22
		electrode near20 copper").PN.	US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM_TDB	
-	19	heat adj sink near20 laser near20 electrode near20 copper	USPAT;	2003/05/12 15:53
		elections mearso copper	US-PGPUB; EPO; JPO;	
			DERWENT;	
_		top adj electrode near12 bottom adj	IBM_TDB USPAT;	2003/05/12 15:55
		electrode near20 copper and	US-PGPUB;	
		semiconductor.ti,ab,clm. and laser.ti,ab,clm. and heat adj sink	EPO; JPO; DERWENT;	
		raser.cr, ab, crm. and near adj stilk	IBM TDB	
-	4 4	1 · · · · · · · · · · · · · · · · · · ·	USPAT;	2003/05/12 15:56
1		semiconductor.ti,ab,clm. and laser.ti,ab,clm. and heat adj sink	US-PGPUB; EPO; JPO;	
		, ,	DERWENT;	
L	<u> </u>		IBM TDB	

_	29		USPAT;	2003/05/12 15:56
		semiconductor.ti,ab,clm. and	US-PGPUB;	
		laser.ti,ab,clm. and heat adj sink	EPO; JPO;	
			DERWENT; IBM TDB	
_	8	"electrodes" near3 copper and	USPAT;	2003/05/12 19:02
		semiconductor.ti,ab,clm. and	US-PGPUB;	2003/03/12 19:02
		laser.ti,ab,clm. and heat adj sink	EPO; JPO;	
		laser.er, ab, erm. and neae ad, srink	DERWENT;	
			IBM TDB	
_	4	773510.ap.	USPAT;	2003/05/12 19:02
l	-		US-PGPUB;	2000,00,12 13.02
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
-	2118	heat adj sink near12 electrode	USPAT;	2003/05/12 19:07
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	4	773510.ap.	USPAT;	2003/05/12 19:18
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
_	4	773510.ap.	IBM_TDB USPAT:	2003/05/12 19:34
	4	(//JJIU.ap.	US-PGPUB;	2003/03/12 19:34
			EPO; JPO;	
	1		DERWENT;	
			IBM TDB	
_	2	guiding adj (hole or through-hole or	USPAT;	2003/05/12 19:51
	1	aperture) near12 heat adj sink	US-PGPUB;	2000,00,12 13.01
			EPO; JPO;	
			DERWENT;	
	Į į		IBM_TDB	
-	115		USPAT;	2003/05/12 19:53
		(guide or guiding) and heat adj	US-PGPUB;	
		sink.ti,ab,clm. and (liquid or water or	EPO; JPO;	
		coolant)	DERWENT;	
	103	(hala an abusunk hala au sasatuus) sasa 6	IBM_TDB	0000/05/100 10 55
	103	(hole or through-hole or aperture) near6 (guide or guiding) and heat adj	USPAT;	2003/05/12 19:55
		sink.ti,ab,clm. and (liquid or water or	US-PGPUB;	1
		coolant)	EPO; JPO; DERWENT;	
;	1	000141167	IBM TDB	
_	57	(hole or through-hole or aperture) near3	USPAT;	2003/05/12 19:56
ļ		(guide or guiding) and heat adj	US-PGPUB;	2000,00,12 19.00
,		sink.ti,ab,clm. and (liquid or water or	EPO; JPO;	
		coolant)	DERWENT;	
!	}		IBM TDB	
-	3	(hole or through-hole or aperture) near3	USPĀT;	2003/05/12 19:59
		(guide or guiding) near12 heat adj sink	US-PGPUB;	
		near12 (liquid or water or coolant) and	EPO; JPO;	
'		heat adj sink.ti,ab,clm.	DERWENT;	
	2	in-001025606-6 did	IBM_TDB	2002/05/20 00 00
-	[2]	jp-09102568\$-\$.did.	USPAT;	2003/05/12 20:00
1			US-PGPUB; EPO; JPO;	
			DERWENT;	
ļ			IBM TDB	
_	2	jp-08227953\$-\$.did.	USPAT;	2003/05/12 20:01
			US-PGPUB;	2000,00,12 20.01
ļ			EPO; JPO;	
	[DERWENT;	
			IBM TDB	
-	3	("5785754").PN.	USPĀT;	2003/05/12 20:30
			US-PGPUB;	
)		EPO; JPO;	
	ļ		DERWENT;	
			IBM_TDB	1

-	0	("heat adj sink near12 (leak or leakage or leaking) near12 rubber").PN.	USPAT; US-PGPUB;	2003/05/12 20:30
			EPO; JPO;	
ļ			DERWENT;	
	0	heat adj sink near12 (leak or leakage or	IBM_TDB USPAT;	2003/05/12 20:31
_		leaking) near12 rubber	US-PGPUB;	2003/03/12 20:31
		Touring, mouring rubbot	EPO; JPO;	
			DERWENT;	
		10 (1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	IBM_TDB	2002/05/10 20.20
-	0	heat adj sink near12 (leak or leakage or leaking) near12 (elastic rubber)	USPAT; US-PGPUB;	2003/05/12 20:32
\		leaking) heariz (erastic rubber)	EPO; JPO;	
			DERWENT;	
Ì			IBM_TDB	0000/05/10 01 00
-	20	heat adj sink near12 (leak or leakage or	USPAT; US-PGPUB;	2003/05/12 21:09
ļ		leaking) near12 (elastic rubber insulating insulation)	EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	2	jp-08181392\$-\$.did.	USPAT;	2003/05/12 21:09
ļ			US-PGPUB; EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	87	stack near4 heat adj sink.ti,ab,clm.	USPAT;	2003/05/13 09:31
			US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM TDB	
-	6	(stack near4 heat adj sink.ti,ab,clm.) and	USPĀT;	2003/05/13 10:14
		(rubber or elastic)	US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM TDB	i
_	5	(stack near4 heat adj sink.ti,ab,clm.) and	USPĀT;	2003/05/13 10:15
		(rubber or elastic or spacer) near12	US-PGPUB;	
		(insulat\$3 or isolat\$3)	EPO; JPO; DERWENT;	
			IBM TDB	
_	29	riser near6 heat adj sink	USPAT;	2003/05/13 11:04
	ļ		US-PGPUB;	
			EPO; JPO;	
			DERWENT; IBM TDB	
_	2		USPĀT;	2003/05/13 11:05
	F	or flow or fluid or coolant or water)	US-PGPUB;	
			EPO; JPO; DERWENT;	
)		IBM TDB	
-	28	l	USPĀT;	2003/05/13 11:53
		coolant or water) and heat adj	US-PGPUB;	
1	1	sink.ti,ab,clm.	EPO; JPO; DERWENT;	
	1		IBM TDB	
-	2	("5794839").PN.	USPAT;	2003/05/13 13:19
			US-PGPUB;	
1	[EPO; JPO; DERWENT;	
)		IBM TDB	
-	7	semiconductor adj laser.ti,ab,clm. and	USPĀT;	2003/05/13 14:10
		heat adj sink.ti,ab,clm. and (stack or	US-PGPUB;	
		stacked) near3 heat adj sink	EPO; JPO; DERWENT;	
			IBM TDB	ļ
-	1	heat adj sink.ti,ab,clm. and (stack or	USPĀT;	2003/05/13 14:08
1		stacked) near3 heat adj sink and (upper	US-PGPUB;	
		adj electrode near20 lower adj electrode)	EPO; JPO; DERWENT;	[
1			IBM TDB	
L				<u> </u>

	· · · · · · · · · · · · · · · · · · ·			
-	2	semiconductor.ti,ab,clm. and heat adj	USPAT;	2003/05/13 14:22
		sink.ti,ab,clm. and (stack or stacked) adj heat adj "sinks" and (top upper) adj	US-PGPUB; EPO; JPO;	
		electrode	DERWENT;	1
		010001000	IBM TDB	
-	36	((((slug or spreader or dissipat\$3) near12	USPAT;	2003/05/13 14:28
		(heat thermal)) and	US-PGPUB;	1
		semiconductor.ti,ab,clm.) and (coolant	EPO; JPO;	
		flow liquid water)) and (stack stacked)	DERWENT;	
_	9	<pre> near2 ("heat sinks") (((((slug or spreader or dissipat\$3)</pre>	IBM_TDB USPAT;	2003/05/13 15:21
}		near12 (heat thermal)) and	US-PGPUB;	2003/03/13 13.21
		semiconductor.ti,ab,clm.) and (coolant	EPO; JPO;	
		flow liquid water)) and (stack stacked)	DERWENT;	
		near2 ("heat sinks")) and (riser or	IBM_TDB	
ļ	174	guid\$3)		0000/05/10 15 10
_	174	257/625	USPAT;	2003/05/13 16:09
			US-PGPUB; EPO; JPO;	
			DERWENT;	
			IBM TDB	
-	8124	((257/625) or (257/675) or (257/717) or	USPĀT;	2003/05/13 16:23
		(257/720) or (257/712) or (257/713) or	US-PGPUB;	
		(257/714) or (257/715) or (372/34) or (372/35) or (372/36)).CCLS.	EPO; JPO; DERWENT;	
		(3/2/33) OI (3/2/36)).CCLS.	IBM TDB	
-	1	(((257/625) or (257/675) or (257/717) or	USPAT;	2003/05/13 16:13
		(257/720) or (257/712) or (257/713) or	US-PGPUB;	
		(257/714) or (257/715) or (372/34) or	EPO; JPO;	
		(372/35) or (372/36)).CCLS.) and (riser	DERWENT;	
		guide guiding) near12 (flow liquid water coolant) and (stack stacked) near2 heat	IBM_TDB	
		adj sink		
-	2	(((257/625) or (257/675) or (257/717) or	USPAT;	2003/05/13 16:39
		(257/720) or (257/712) or (257/713) or	US-PGPUB;	
		(257/714) or (257/715) or (372/34) or	EPO; JPO;	
ĺ		(372/35) or (372/36)).CCLS.) and stacked adj heat adj sinks	DERWENT;	
_	10	(((257/625) or (257/675) or (257/717) or	IBM_TDB USPAT;	2003/05/13 16:45
		(257/720) or (257/712) or (257/713) or	US-PGPUB;	2000,00,10 10.10
		(257/714) or (257/715) or (372/34) or	EPO; JPO;	
1		(372/35) or (372/36)).CCLS.) and (stack	DERWENT;	
_	0	stacked stacking) near2 heat adj sinks ((((257/625) or (257/675) or (257/717) or	IBM_TDB	2003/05/12 16-46
		((((257/723) or (257/713) or (257/713) or (257/720)	USPAT; US-PGPUB;	2003/05/13 16:46
Į.		(257/714) or (257/715) or (372/34) or	EPO; JPO;	
		(372/35) or (372/36)).CCLS.) and (stack	DERWENT;	
		stacked stacking) near2 heat adj sinks)	IBM_TDB	
1_	2	and (first upper top) adj electrode ((((257/625) or (257/675) or (257/717) or	HCDAM -	2002/05/12 15 12
	2	((((257/623) or (257/673) or (257/717) or (257/720) or (257/712) or (257/713) or	USPAT; US-PGPUB;	2003/05/13 16:49
	ļ	(257/714) or (257/715) or (372/34) or	EPO; JPO;	
ļ	[(372/35) or (372/36)).CCLS.) and (stack	DERWENT;	
1		stacked stacking) near2 heat adj sinks)	IBM_TDB	
_		and electrode	110535	0000 (07 (10
_	0	stacked adj heat adj sinks.ti,ab,clm. and semiconductor adj2 (element device) and	USPAT;	2003/05/13 16:51
		electrode	US-PGPUB; EPO; JPO;	
		-	DERWENT;	
			IBM_TDB	
_	4		USPĀT;	2003/05/13 19:31
		sinks and semiconductor adj2 (element device) and ((top.upper) adj electrode)	US-PGPUB;	
]	device) and ((top upper) adj electrode)	EPO; JPO; DERWENT;	
]		IBM TDB	
-	2	("4631573").PN.	USPAT;	2003/05/13 17:31
			US-PGPUB;	
]		EPO; JPO;	
[DERWENT;	
L	L		IBM TDB	

_	3	("5785754").PN.	USPAT;	2003/05/13 17:31
			US-PGPUB;	
	1		EPO; JPO;	
			DERWENT;	
			IBM_TDB	
_	1	stacked.ti,ab,clm. and heat adj	USPAT;	2003/05/13 19:34
		sink.ti,ab,clm. and (electronic or	US-PGPUB;	ĺ
	i	semiconductor) adj (device or element) and	EPO; JPO;	
		"in series"	DERWENT;	
			IBM_TDB	
-	0	semiconductor adj laser.ti,ab,clm. and	USPAT;	2003/05/13 19:35
		(372/4\$1.ccls. or 372/50.ccls.) and	US-PGPUB;	
		stacked and "in series"	EPO; JPO;	
			DERWENT;	
			IBM_TDB	0000/05/10 10 50
-	74	semiconductor adj laser.ti,ab,clm. and	USPAT;	2003/05/13 19:53
		(372/4\$1.ccls. or 372/50.ccls.) and	US-PGPUB;	
		stacked and series	EPO; JPO;	
			DERWENT;	
İ	8	stacked nearly active nearly region nearly	IBM_TDB USPAT;	2003/05/13 19:55
[-	8 :	stacked near3 active near3 region near3 monolithic near3 laser near3 array	US-PGPUB;	5002/02/12 12:22
	}	monoriture hears raser hears array	EPO; JPO;	
	i		DERWENT;	
			IBM TDB	
_	2	("5157680").PN.	USPAT;	2003/05/13 19:55
	1	1	US-PGPUB;	=:5:,5:,20 25,00
	1		EPO; JPO;	
			DERWENT;	
			IBM TDB	[
-	20	stacked near12 active near12 laser near12	USPAT;	2003/05/13 20:35
	1	array	US-PGPUB;	
	ļ		EPO; JPO;	
			DERWENT;	ĺ
			IBM_TDB	
-	2	("4791634").PN.	USPAT;	2003/05/13 21:07
			US-PGPUB; EPO; JPO;	
			DERWENT;	[
			IBM TDB	
_	2	("6144683").PN.	USPAT:	2003/05/13 21:08
	}	(0211000) 12111	US-PGPUB;	2000, 00, 10 21,00
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